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EIGHTEENTH

ANNUAL REPORT

OF THE

PUBLIC TRUSTEES OF THE BOSTON ELEVATED RAILWAY

FOR THE

Year Ended December 31, 1936

The information contained herein is not given in connection with any sale, offer for sale or solicitation of an offer to buy any securities.



EIGHTEENTH

ANNUAL REPORT

OF THE

PUBLIC TRUSTEES OF THE BOSTON ELEVATED RAILWAY

FOR THE

Year Ended December 31, 1936

BOARD OF TRUSTEES

(Appointed by the Governor of Massachusetts pursuant to Chapter 159 of the Special Acts of 1918)

HENRY I. HARRIMAN, Chairman

ERNEST A. JOHNSON GEORGE B. JOHNSON

HENRY J. SMITH* EDWARD E. WHITING

OFFICERS

(Appointed by the Trustees)

EDWARD DANA
JOHN H. MORAN
MICHAEL H. CULLEN
WILLIS B. DOWNEY
MAURICE P. SPILLANE

President and General Manager Vice-president and Treasurer General Auditor General Counsel

General Attorney

 $^*\mathrm{Henry}$ J. Smith was appointed and qualified on January 7, 1937 to fill the unexpired term of John V. Mahoney, resigned.

REPORT OF THE BOARD OF PUBLIC TRUSTEES OF THE

BOSTON ELEVATED RAILWAY

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Report of the Board of Public Trustees of the Boston Elevated Railway

During the calendar year 1936 the Boston Elevated Railway carried 15,778,140 more passengers than in 1935 and 28,335,237 more passengers than in 1933, the last named year being the one during which occurred the low level of riding.

The total income for 1936 was \$1,169,729.01 greater than in

1935 and \$1,941,782.38 greater than in 1933.

The revenue miles operated in 1936 were increased by 458,733

over 1935, and were 350,958 more than in 1933.

In 1936, as compared to 1935, there was a net increase of \$101,094.17 in fixed charges which comprise taxes, dividends, subway rentals, bond interests and rent of leased roads. This increase resulted from the tax for unemployment compensation and from interest charges on account of the acquisition by the Elevated of the Chelsea and Revere lines of the Eastern Massachusetts Street Railway, both chargeable for the first time in 1936.

Operating expenses, which include wages, materials, injuries and damages, depreciation and fuel increased \$744,929.40 in 1936 over 1935. Of this increase, payroll accounted for \$589,306.78; injuries and damages \$99,128.06; depreciation \$40,643.44 and fuel \$56,362.74. Materials and other items decreased \$40,511.62.

Payroll increases were accounted for by wage agreement adjustments; the full effect of the 1935 act requiring one guard to each two cars on rapid transit trains; the addition of employees by reason of the acquisition by the Elevated of the Eastern Massachusetts Street Railway lines operating in Revere and Chelsea; and increases in the hours per week of employees on a short work week.

The net result was that the cost of service for the year ended December 31, 1936 exceeded income by \$1,897,469.01 as compared with an excess in cost of service of \$2,229,251.23 for the calendar year 1935, an improvement of \$331,782.22 for 1936 compared to 1935.

The fiscal year terminates as of March 31 and a deficit assessment is determined upon the basis of the fiscal year and not of the

calendar year.

The tables on the two pages following show the basic data relating to the operations of the railway from the beginning of public control to 1936, one on the basis of calendar years and the

other on the basis of fiscal years.

Attention should be called to the fact that included in fixed charges as a part of subway and tunnel rentals are payments of \$353,381.46 by the railway to the city of Boston last year towards sinking funds to retire the city's investment in subways and tunnels. In similar manner the Commonwealth of Massachusetts received \$73,695.00 last year from the railway for the retirement of the Commonwealth's investment in the Cambridge subway. Likewise the Boston Metropolitan District received \$1,041,210.84 that year

BASIC DATA FOR PERIOD OF PUBLIC CONTROL CALENDAR YEARS

Fixed Charges Per Rev. Pass. (Cents)	2.42¢	8 4 8	2.67	FG.5	2.40	2.44	2.59	2.61	2.64	2.68	2.78	2.93	2.90	3.19	3.53	3.36	3.35	3.20
Oper, Exp. Per Rev. Pass. (Cents)	7.30¢	7.68	6.77	6.19	6.31	6.59	69.9	7.02	6.85	6.88	6.78	6.87	6.85	6.70	6.28	6.10	6.30	6.22
Net Result of Operations	\$2,382,099.88*	347,167.24*	1,171,444.87	1,412,189.08	679,631.56	636,696.40*	502,193.85	482,749.12*	222,815.49	40,051.02	94,072.64	1,134,638.81*	1,904,945.35*	2,569,445,45*	2,247,930.26*	1,464,489.75*	2,229,251,23*	1,897,469.01*
Miscl. Deductions	\$306,659.91	267,012.88	256,166.02	124,937.26	97,059.61	233,937.54	177,078.68	174,639.64	132,740.34	183,773.76	106,093.17	68.879.81	80,757.13	132,632.30	110,813.53	77,789.87	103,193.19	95,116,41
Fixed Charges (See Note)	\$7,873,683.38	8,342,668.69	9,006,357.65	9,073,591.28	9,189,868.68	9,355,944.91	9,462,371,51	9,718,154.75	9,705,521.39	9,719,134.04	9,871,709.99	10,048,505,49	9,428,547.27	9,322,878.62	9,461,842.77	9,310,234.87	9,387,071.91	9,488,166.08
Operating · Expenses	\$23,700,339.41	25,769,122.11	22,843,056.99	22,088,458.75	24,130,253.41	25,222,133.56	24,405,735.57	26,076,268.11	25,132,332.81	24,900,188.69	24,024,747.23	23,527,974.68	22,250,748.25	19,542,428.16	16,829,647.05	16,895,090.49	17,665,412.59	18,410,341.99
Receipts	\$29,498,582.82	34,031,636.44	33,277,025.53	32,699,176.37	34,096,813.26	34,175,319.61	34,547,379.61	35,481,313,38	35,193,410.03	34,843,147.51	34,096,623.03	32,510,721.17	29,855,107.30	26,428,493.63	24,154,373.09	24,818,625.48	24,926,426.46	26,096,155.47
Revenue Miles	53,721,249	51,359,855	49,804,625	50,707,740	54,156,064	56,091,347	55,558,126	57,943,381	56,834,029	57,481,292	56,684,985	56,061,843	53,553,889	51,195,761	46,141,119	45,822,648	46,033,344	46,492,077
Revenue	324,758,685	335,526,561	337,252,080	356,593,942	382,149,697	382,888,848	365,036,286	371,218,401	366,938,908	362,005,033	354,214,990	342,694,905	324,788,577	291,753,825	267,845,429	277,034,175	280,402,526	296,180,666
Year Ended Dec. 31	6161	1920	1921	1922	1923	1994	1925	1926	1927	1928	6561	1930	1931	1932	1933	1934	1935	1936

Note:-Fixed charges include subway rentals, rent of leased roads, taxes, dividends and interest on bonds. * Denotes excess cost of service over receipts.

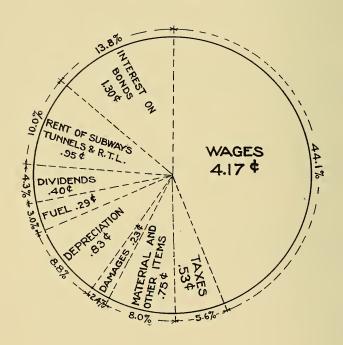
BASIC DATA FOR PERIOD OF PUBLIC CONTROL. TRUSTEE YEARS ENDED JUNE 30 AND MARCH 31

Year Ended June 30	Revenue Passengers	Revenue Miles	Receipts	Operating Expenses	Fixed Charges (See Note)	Miscellaneous Deductions	Result of Operations (*For Losses)	Net Adj. Result of Operations Incl. Profit and Loss Items (*For Losses Assessed)
1919	331,348,124	53,569,606	\$25,225,575.63	\$22,362,171.97	\$7,560,212.67	\$716,611.21	\$5,413,420,22*	\$5,415,500.13\$
1920	324,192,374	51,865,314	32,671,515.53	24,348,226.45	8,029,594.14	311,504.81	17,609.87*	17,079.95
1931	337,381,994	51,048,015	34,200,286.06	25,102,902.39	8,744,033.15	245,304.75	108,045.77	550,253.52
1922	345,545,009	49,774,298	32,698,965.01	22,113,783.76	9,086,894.45	195,603.45	1,302,683.35	1,385,211.44
1923	373,689,603	52,085,801	83,612,335.20	22,906,489,22	9,183,967.83	93,088.85	1,428,789.30	1,114,557.82
F561	386,263,158	56,068,563	34,262,009.46	25,009,657.54	9,233,372.93	163,181.43	141.202.44*	0.00
1925	370,729,801	55,670,491	34,198,250.91	24,606,418.26	9,412,380.77	210,735.98	31,284.10*	20,581.33
1926	368,932,079	56,552,827	35,087,845.89	25,306,433.69	9,622,903.89	168,562.92	10,054.61*	22,304,46
1927	371,893,575	57,970,731	35,618,066.06	25,834,928.57	9,720,918.98	138,818,02	*16,599,51*	60,660.25
1928	363,576,565	57,188,342	35,009,933.28	24,937,185.81	9,674,559,56	169,170.88	229,017.03	895,518.01
1929	356,507,228	57,253,904	34.312,806.18	24,473,329.19	9,857,650,77	161,979.55	180,153.33*	0.00
1930	349,441,431	56,276,807	98,597,154.90	23,707,378.01	9,868,002.52	72,752,68	50,978.31*	00'0
1931	336,693,586	55,015,807	31,202,319.98	22,992,883.56	10,106,115.81	69,009.97	1,965,689.36*	1,969,473.12‡
1932	310,919,428	52,806,825	28,376,280.28	21,386,862.60	9,001,671.68	108,548.38	2,120,802.38*	1,775,338.80*
1933	272,448,444	17,887,434	24,632,326.42	17,671,635.53	9,536,605.55	114,336.60	2,720,251.26*	2,753,124,14*
1934	275,723,393	46,015,449	24,758,158.12	16,896,758.04	9,369,839,17	76,121.66	1,589,560,75*	1,551,631.97*
March 31								
1932‡	207,065,714	34,144,810	18,500,541.01	12,888,265.26	6,935,419.91	67,126.55	1,390,270.71*	1,396,388.83*
1936	282.989,838	46,233,477	25,086,709.97	17.854,394.81	9,387,995.81	102,450.51	2,258,131,16*	2,086,202.37*

Note:—Fixed charges include subway rentals, rent of leased roads, taxes, dividends and interest on bonds.
†This deficit for year ended June 30, 1931 (\$1,969,473.12) was not assessed upon the cities and towns in the District—Sec. 22, Chap. 333, Acts 1931.
\$50f this Period.
\$50f this Period.

BOSTONELEVATEDRAILWAY

Cost of Service 9.45 \$\phi\$ perRevenuePassenger
12MonthsEnded December 31, 1936
DIVIDED AS FOLLOWS



toward payment and retirement of bonds of the District. This last payment comprised a compensation tax and interest upon the bonds of the railway owned by the District, and was in addition to an amount sufficient to pay all interest upon the District's bonds.

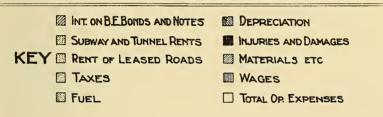
These payments, included in the cost of service for 1936 and used to reduce the public debt of the Commonwealth, that of Boston, and that of the Boston Metropolitan District, amounted together to \$1,468,287.30, or 77 per cent. of the deficit for the calendar year 1936.

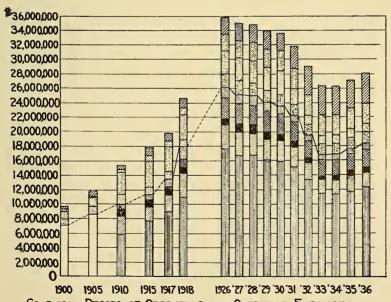
The subway and tunnel rentals paid during 1936 amounted to \$2.811,558.76 or \$914,089.75 more than the deficit for the calendar

year 1936.

BONDS

Four years ago the Legislature instituted and each year since has continued the policy of authorizing the Boston Metropolitan District to issue its bonds for the purpose of purchasing a particular issue or issues of Elevated refunding bonds.





GRAPHICAL RECORD OF OPERATING AND OVERHEAD EXPENSES
MISCELLANEOUS ITEMS INCLUDED WITH INTEREST
CALENDAR YEARS

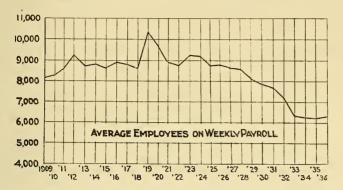
ESTIMATED SAVINGS FROM REFUNDING BOSTON ELEVATED RAILWAY BONDS BY BOSTON METROPOLITAN DISTRICT BONDS

District Bonds To be Retired	From Interest On B. E. Ry. Bonds	None	None	\$567,000.00	4,599,000.00	6,196,000.00	5,267,000.00	2,605,000.00	1,382,000.00	\$20,616,000.00
Estimated Saving Included	In Cost of Service 1936 1937 to 1962	:	\$9,084.20	138,515.32	1,743,641.04	2,151,495.76*	820,402,58	1,601,380.76	839,658.50	\$3,001,186.64
Esti	l933 to 1936	\$255,192.12	154,431.40	26,602,28	151,620.96	170,262.24*	35,669,67	38,258.24		\$491,512,43
	Net Yield	3.75%	3.25%	3.00%	3.19%	2.92%	2.72%	2.58%	2.31%	
	Price	99.31	99.307	95.086	97.79	100.819	97.585	99.05	99,352	
Issues	Interest Rate	3 1/2 %	3 %	2 1/2 %	%	3 %	21/2%	2 1/2 %	21/4 %	
TRICT BOND	Term	3 year	3 year	15 year Serial	25 year Serial					
Boston Methopolitan District Bond Issues	Amount	\$3,000,000	2,098,000	1,581,000	6,809,000	8,500,000	7,711,000	3,815,000	2,098,000	
MET										
NOTSC										
Ã		:								
		٠	•			•	٠	•		
		Ξ	(2)				·			
	ssne	1, 1933 (1).	1, 1934 (2).	1, 1934	1, 1935	1, 1935	15, 1935	1936	1, 1937	
	of 1							1,	1,	
	Date of Issue	June	Mar.	Aug.	Jan.	Mar.	Dec.	June 1, 1936	Jan.	

NOTE: Saving is based on the assumption that the Boston Elevated Railway renewed bonds on the same terms as the original maturing bond issues instead of refinancing through the District. *Indicates loss due to renewal of bond issues by the railway at higher rates than maturing issues. This is because the railway pays two per cent. higher interest than the District on serial issues to provide for retirement of District bonds.

Refunded by the District under chapter 451, Acts of 1935.
 Refunded by the District under chapter 308, Acts of 1936.

The experience of the District with respect to its bond issues has been such as to establish beyond a question of doubt the wisdom of the Legislature's policy. A glance at the table on the opposite page, listing the District's issues, will show a progressively lower net yield starting with the net yield of 3.75 per cent. for the three year



issue of June 1, 1933 and dropping to a net yield of 2.31 per cent. for the 25 year serial issue of January 1, 1937.

The Legislature's purpose in starting and continuing this policy of District refinancing of Elevated maturities was simple and practical: To save money for the taxpayers within the District.

That the railway's cost of service, and consequently the deficit, has been substantially lowered by reason of this policy is clearly indicated by the total estimated saving of \$491,512 in cost of service from 1933 to 1936. During the balance of the life of the District bonds from 1937 to 1962 there will be an additional estimated sav-

ing of \$3,001,186.

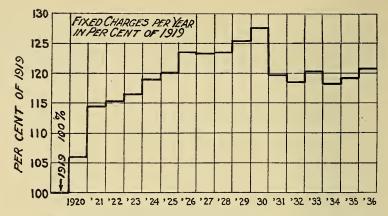
The complete story of the savings is not told by these figures because they are based on the difference between the interest paid on the original Elevated bonds and the interest charges paid by the railway on its refunding bonds issued to the District. Undoubtedly the railway could not have refunded maturities with new bonds bearing the same rates, or nearly the same rates, as the maturing bonds. The fact that the railway could sell its own bonds only at very high interest rates was one of the strong motives which led to the passage of the first District refunding act in 1933.

Apart from the saving in interest charges, there is another substantial advantage to be gained by the District in its refunding operations. By statutory requirement the Elevated pays the District two per cent. more in interest than the interest paid by the District on its own bonds. This two per cent. additional interest

is used to retire District serial bonds as they mature.

Thus, the District will have paid off at maturity, through the annual payment of principal made possible by reason of the two per cent. higher interest rate, \$20,616,000 of a total of \$30,014,000 of District bonds issued to purchase Elevated refunding bonds.

The purpose and effect of the Legislature's policy relating to



District refinancing of maturing railway bonds is summed up briefly as follows: The taxpayers of the District are saved annually substantial amounts in interest charges. Through railway interest payments, the District is able to retire gradually a large part of its own bonds.

In view of the experience of the District in financing maturing railway and District bonds, an experience which has clearly demonstrated the benefits to the District, its taxpayers and the car riders, we urge the enactment of legislation placing this sound method of

refinancing upon a permanent basis.

As of March 1, 1937, the District will hold \$54,944,917 principal amount of the total of the outstanding bonds of the railway amounting to \$76,200,917, of which \$23,430,917 was issued to provide funds for the retirement of preferred stock when the period of public control was extended in 1931, and \$1,500,000 was issued in 1936 to purchase the Chelsea Division of the Eastern Massachusetts Street Railway, and \$30,014,000 was issued to provide funds to purchase Elevated refunding bonds.

UNEMPLOYMENT COMPENSATION AND OLD AGE BENEFITS

During 1936 the railway paid \$126,884 in taxes for unemploy-

ment compensation.

In 1937, based on the same payroll as in 1936, the estimated taxes to be paid by the railway for unemployment compensation will be \$253,000 and for old age benefits \$115,000, making a total tax of approximately \$368,000.

In 1937 the employees' contribution for unemployment compensation is estimated at \$120,000 and for old age benefits \$115,000, making a total estimated employee payment of approximately

\$235,000.

The estimated total to be paid in 1937 by both the railway and its employees is approximately \$603,000.

WINNING OF ANTHONY N. BRADY SAFETY MEDAL

On September 24, 1936, for the fifth time, the railway was awarded the Anthony N. Brady Gold Memorial Medal for "high

achievement in the promotion of safety in 1935."

In number of awards and in winning four out of the last five medals for which it has been eligible to compete, the railway has established a high in safety records unmatched by any other railway in the United States and Canada. In fact, because of the record of awards won by this railway it is barred from further competition until 1940.

Here, in this official report, the board of trustees wish to commend the employees and officials for their intelligent and earnest co-operation in making effective the safety work of the railway.

In the 10 year period from 1926 to 1936 collision accidents

have been reduced by 45 per cent. on a mileage basis.

Because of more hazardous street traffic conditions, this record is phenomenal, and is proof of the soundness of the railway's accident prevention program, of general co-operation to make it successful

and of the railway's modern equipment.

Perhaps the most striking way of expressing the safety of the railway system is to point out that in the eight year period from 1929 to 1936, inclusive, the railway operated 401,985,666 miles in passenger service and carried 2,434,915,093 revenue passengers without a fatality to a passenger actually riding in a train, car or coach.

Since there is a close relationship between the physical condition of transportation employees and the safety of riders, all rapid transit motormen and all other transportation employees forty years of age and over have been examined annually since 1928. In the last nine years 25,283 physical examinations were made, of which 3,307 were made during the year 1936.

The following table shows the fine record in reducing industrial

accidents since 1926.

				To	tal Number
Year				(of Injuries
1926					1,465
1927					1,414
1928					1,121
1929					921
1930					852
1931					835
1932					698
1933					565
1934					628
1935		٠.			603
1936					613

MOTOR COACH SERVICE

The motor coach fleet of the railway has been modernized to the point that at the end of 1936 out of a total of 434 coaches all but four were of the metropolitan type. During 1936 the railway received 60 new motor coaches, including one Diesel power coach which is being used for experimental purposes.

The importance of the motor coach in local transportation is indicated from the fact that of the total mileage operated last year, 10,485,554 miles, or 22.55 per cent. was operated by means of these vehicles. In the ten year period since 1926 the miles of street

over which service is furnished have increased from 56 miles in 1926 to 149 miles in 1936. In this same period motor coach mileage operated increased from 4,717,900 miles to 10,485,554 miles. At the end of last year motor coach service was being operated over 696 miles of round trip routes.

The following new coach lines were placed in operation during

1936:

Between Hammond and Boylston streets and Lee and Boylston streets, Brookline.

Between Belgrade avenue and Robert street and Weld and Maple streets, West Roxbury.

Between Medford square and Myrtle and Lawrence streets, Medford.

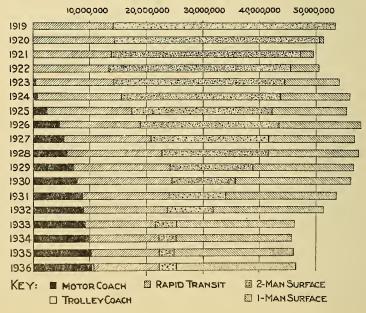
Between Beachmont and Broadway and Beach street, Revere.

Between Chelsea square and City square, Charlestown.

TROLLEY COACH SERVICE

Service by means of trolley coaches, or "trackless trolleys" as they are sometimes called, was inaugurated by this railway on April 11, 1936 on the line between Lechmere station and the Bennett street car yard via Cambridge street and Harvard square. On November 28, 1936 trolley coach service was placed in operation between the Everett car house, Broadway, in North Everett, and the Linden section of Malden. This line was a part of a through line between Linden and the Everett "El" terminal which

REVENUE-MILES PER YEAR



began operation on January 9, 1937. In connection with this last line a loop and bridge was constructed over the rapid transit tracks at the Everett "El" terminal.

During the year just closed 32 new trolley coaches, with a seating capacity of 40 passengers each, were received by the railway. The trolley coach lines thus far established have furnished satisfactory service and met with a favorable public response.

COURT CASES

During the year just passed 255 cases were prosecuted in the courts for various offences, including the use of "slugs," misuse of transfers and pupils' tickets, evasions of fares, riding on the rear end of trolley cars and coaches, etc. In all but 19 of these cases, convictions were obtained.

CHANGES IN THE BOARD OF TRUSTEES

John V. Mahoney, a public trustee of the railway since August 3, 1934, resigned on January 7, 1937 to become chief secretary to His Excellency, Governor Charles F. Hurley. Mr. Mahoney served on the board with ability and distinction.

On the above date, the Governor appointed Henry J. Smith

to the vacancy caused by Mr. Mahoney's resignation.

CHANGES IN OFFICERS

Effective as of January 1, 1937 the board of trustees appointed Edward Dana president and general manager. Since January 1, 1932 Mr. Dana had been executive vice president and general manager and since October 8, 1919 he had been general manager. As of January 1, 1937 the board also appointed John H. Moran vice president and treasurer. Mr. Moran had been named vice president and comptroller on March 23, 1936 and had served as general auditor since February 1, 1920. Michael H. Cullen, who had been assistant general auditor, was appointed general auditor succeeding Mr. Moran.

These changes were incident to the retirement of Henry L. Wilson as treasurer. Mr. Wilson had been in the employ of this railway and its predecessor, the West End Street Railway, for almost 49 years. He served as auditor of the West End from December 26, 1891, and after the consolidation of the West End and the Elevated continued as auditor of the Elevated until March 25, 1907, when he was appointed comptroller. On October 26, 1908 Mr. Wilson was appointed treasurer of the Elevated and con-

tinued in that office until his retirement.

H. Ware Barnum, who had been general counsel of the railway since the fall of 1918 shortly after the effective date of the first public control act, died on November 22, 1936. Prior to that Mr. Barnum had been an assistant attorney general of the Commonwealth. He was a recognized authority on the laws relating to street railways, particularly on those affecting this railway. The trustees wish to record here their sorrow at the passing of Mr. Barnum for whom they had a high personal regard.

On November 30, 1936 the board of trustees promoted Willis

B. Downey to the position of general counsel. Mr. Downey had been assistant general counsel of the railway since July 15, 1929.

PLANT AND EQUIPMENT CHANGES
Chelsea Division Acquired

After negotiations extending over several years, final papers covering the purchase of most of the Chelsea Division of the Eastern Massachusetts Street Railway were signed on June 9, 1936, and the Elevated began operations the following day. The purchase price was \$1,500,000 for the Eastern's lines in Chelsea, Everett, East Boston and Charlestown, and for most of its lines in Revere, and for the buildings, rolling stock, power lines, etc., necessary in the operation of these railway lines. Accompanying the purchase, a number of the Eastern's employees who worked on the lines were transferred to the Elevated. By this extension of the railway's facilities, lower fares were provided for the residents of a large local territory and the cost of riding from other parts of the system to Revere Beach and to other sections served by the newly acquired lines was reduced.

New Platform at Park Street Station

On December 5, 1936, a new platform running along the easterly side of the northbound track on the surface-car level at Park street station was opened to the public. This provides access to the station from the business side of Tremont street at two points. Midway of the station, a passageway leads to stairways on the two corners of Temple place and Tremont street. At the northerly end of the platform a short passageway connects with the rapid transit fare-collection lobby and thence with the business side of Tremont street at Park street. A sub-passageway near the middle of the new platform connects with the two other surface-lines platforms. This enlargement of Park street was a W.P.A. project, constructed under the direction of the Transit Department of the City of Boston at a total cost of about \$407,000. The increased investment upon which the railway pays rental was limited to \$150,000.

Addition to Roxbury Motor Coach Garage

The extension of the Roxbury motor coach storage garage at 2561 Washington street, Roxbury, was completed early in 1936. This new unit increased the storage capacity of the Roxbury garage from 30 to 66 motor coaches. The total undercover storage capacity of the entire Bartlett street garage, of which the Roxbury garage forms a part, was thus increased to 122 coaches. An additional area was surfaced for the better maneuvering of coaches and for outdoor storage during certain parts of the day. The new unit is characterized by simplicity, fireproofness, operating convenience and low cost.

Dust Control Equipment at South Boston Power Station

During the past year an electrical system to remove fine dust particles from chimney gases was installed in the two large boilers using pulverized coal at the South Boston power station. Additional equipment was provided to improve the efficiency of the two boilers by increasing the chimney draft and by reclaiming more heat from the boiler flue gases. These changes were started on April 3, 1936 and were completed before the end of the year.

Snow Fighting Equipment

During 1936 the railway's equipment for snow removal and sand spreading was brought to a higher degree of perfection than ever before. For operation on the surface rail lines nearly a hundred electric car plows are available, in addition to sand and salt cars. Chiefly for the highways, and also for use over track areas, 33 powerful multiservice trucks, known as "snow fighters," form the backbone of a well-diversified fleet. Comprising a part of this fleet are snow loaders, bucket loaders, sand spreaders, and numerous trucks equipped with plows, both railway-owned and on call for hire. In planning for the winter storms particular attention is given to the sanding of the 280 round trip miles of motor coach and trolley coach routes, for which work there are available 56 sand spreaders. In winter, the rapid transit cars carry wire brushes to clear the third rail of sleet. For extremely bad weather, eight flat cars with wire brushes, sweepers and plows are available to clear the rapid transit tracks.

"Slug" Ejectors on Passimeters

From late 1934 to the end of 1936, the loss from spurious coins and "slugs" dropped in passimeters has been reduced by two-thirds through the installation of so-called automatic "slug" ejectors on the top of passimeters. The ejector allows a good dime to drop through the passimeter but a bad dime or a "slug" prevents the passimeter arm from unlocking. At the end of last year, 111 ejectors had been installed.

Conclusion

The business of the railway has improved. Since 1933, the low year, riding has increased by 10.58 per cent. There is still, however, a considerable distance to go to reach the pre-depression level. The trustees, nevertheless, are glad to report a constant and encouragingly upward trend in the public's use of its transportation facilities over the last three years. This improvement is a reflection of better conditions generally, since the level of travel on the railway is an excellent barometer.

The reduction of \$331,782.22 in the deficit for the calendar year 1936, as compared to the calendar year 1935, indicates that as of the end of the current fiscal year, March 31, 1937, the amount to be assessed on the cities and towns in the District served will

be lower than that assessed for the last fiscal year.

Respectfully submitted,

BOARD OF TRUSTEES,

BOSTON ELEVATED RAILWAY COMPANY (Signed) HENRY I. HARRIMAN, Chairman EDWARD E. WHITING

HENRY J. SMITH ERNEST A. JOHNSON GEORGE B. JOHNSON

February 1, 1937.

APPENDIX 1

Lybrand, Ross Bros. & Montgomery Boston, Massachusetts

To the Trustees of Boston Elevated Railway:

We have made an examination of the accompanying general balance sheet of the Boston Elevated Railway as at December 31, 1936 and of the accompanying income statement for the twelve months ended December 31, 1936. In connection therewith we examined or tested accounting records of the company and other supporting evidence and obtained information and explanations from officers and employees of the company; we also made a general review of the accounting methods and of the operating and income accounts for the period, but we did not make a detailed audit of the transactions.

In our opinion, the provision for depreciation of road and equipment in the year 1936 charged to cost of service as shown in the accompanying schedule of operating expense accounts and determined in accordance with the policy of accounting previously adopted by the trustees is fair and reasonable, but the amount of accrued depreciation appearing in the balance sheet is inadequate.

In our opinion, based upon such examination, the accompanying general balance sheet as at December 31, 1936 (subject to the comment in the preceding paragraph), and income statement for the twelve months ended December 31, 1936, fairly present the position of Boston Elevated Railway at that date and the results of operations under public control for the year then ended. Further, in our opinion, the accounts have been maintained by the company consistently during the year in accordance with accepted principles of accounting.

(Signed) Lybrand, Ross Bros. & Montgomery.

Boston, Massachusetts January 29, 1937.

Appendix 2

GENERAL BALANCE SHEET

Assets	Dec. 31, 1936	Dec. 31, 1935
Investments		
oad and Equipment:		•
Way and Structures	\$61,027,201.25	\$59,679,452.68
Equipment	31,428,281.13	30,442,493.95
Power	15,429,916.55	15,476,682.82
General and Miscellaneous	1,972,702.63	1,924,002.63
Unfinished Construction	190,337.66	56,799.34
Total Road and Equipment	\$110,048,439.22	\$107,579,431.42
iscellaneous Physical Property	\$776,862.87	\$892,012.79
Bonds	\$1,217,796.41	\$213,031.25
Notes	159,300.50	165,950.00
Eastern Massachusetts Street Railway Company .	190,087.63	207,808.45
Total Other Investments	\$1,567,184.54	\$586,789.70
Total Investments	\$112,392,486.63	\$109,058,233.91
¥		
,		

GENERAL BALANCE SHEET-Continued

Liabilities	Dec. 31, 1936	Dec. 31, 1935
Stock		
Capital Stock:		
Common Stock	\$23,879,400.00	\$23,879,400.00
Premium on Capital Stock:		
Common Stock	2,707,428.13	2,707,428.13
Total Stock	\$26,586,828.13	\$26,586,828.13
Bonds		
Funded Debt Unmatured:		
5% 20 yr. W. E. St. Ry. Co. Bonds, Due May 1, 1936		\$815,000.00
3½% 3 yr. Boston Elev. Ry. Bonds, Due June 1, 1936		3,000,000.00
3% 3 yr. Boston Elev. Ry. Bonds, Due Mar. 1, 1937	\$2,098,000.00	2,098,000.00
4 1/2 % 30 yr. Boston Elev. Ry. Bonds, Due Oct. 1, 1937	4,800,000.00	4,800,000.00
4 1/2 % 30 yr. Boston Elev. Ry. Bonds, Due Nov. 1, 1941	5,000,000.00	5,000,000.00
5% 30 yr. Boston Elev. Ry. Bonds, Due Dec. 1, 1942	8,286,000.00	8,286,000.00
5% 30 yr. W. E. St. Ry. Co. Bonds, Due Mar. 1, 1944	2,600,000.00	2,600,000.00
7% 30 yr. W. E. St. Ry. Co. Bonds, Due Sept. 1, 1947	570,000.00	570,000.00
4 1/2 % 15 yr. Boston Elev. Ry. Bonds, Due Aug. 1, 1949	1,581,000.00	1,581,000.00
5% 25 yr. Boston Elev. Ry. Bonds, Due Jan. 1, 1960	6,309,000.00	6,309,000.00
5% 25 yr. Boston Elev. Ry. Bonds, Due Mar. 1, 1960	8,500,000.00	8,500,000.00
4½% 25 yr. Boston Elev. Ry. Bonds, Due Dec. 15, 1960	7,711,000.00	7,711,000.00
4 1/2 % 25 yr. Boston Elev. Ry. Bonds, Due June 1, 1961	3,815,000.00	
6% Boston Elev. Ry. Bonds Authorized Under Sec. 4,		
Chapter 333, Acts 1931	23,430,917.00	23,430,917.00
6% B. E. Ry. Bonds, Auth. Sec. 4, Chap. 333, Acts		
1931, as amended by Sec. 1, Chap. 299, Acts 1932	1,500,000.00	
5% 10 yr. Boston Elev. Ry. Bonds, Due Feb. 1, 1937		
Called for Redemption Feb. 1, 1936		6,511,000.00
5% 10 yr. Boston Elev. Ry. Bonds, Due July 1, 1940		
Called for Redemption Jan. 1, 1936		1,200,000.00
Total Bonds	\$76,200,917.00	\$82,411,917.00

GENERAL BALANCE SHEET-Continued

Assers	Dec. 31, 1936	Dec. 31, 1935
CURRENT ASSETS		
Cash	\$3,095,773.18	\$2,603,620.07
Special Deposits:	********	
Interest, Dividends and Rents Unpaid	\$328,158.48	\$520,941.22
For Preferred Stock Redemption	97.11	149.32
For Bond Redemption		7,788,110.00
Reserve Fund, Chap. 159, Spec. Act., 1918		
Total Special Deposits	\$328,255.59	\$8,30 9,200. 54
Loans and Notes Receivable	\$274.00	\$274.00
Miscellaneous Accounts Receivable	403,826.97	381,602.25
Material and Supplies	1,847,683.60	1,948,251.28
Interest, Dividends and Rents Receivable	9,091.75	11,733.72
Other Current Assets	38,680.00	39,480.00
Total Current Assets and Special Deposits	\$5,723,585.09	\$13,294,161.86
Deferred Assets nsurance and Other Funds	\$243,000.00	\$243,000.00
Unadjusted Debits		
Rents and Insurance Premiums Paid in Advance	\$54,307.43	\$171,772.40
Discount on Funded Debt	1,195,545.17	1,213,801.78
Other Unadjusted Debits	72,202.82	76,627.61
Total Unadjusted Debits	\$1,322,055.42	\$1,462,201.79
TOTAL ASSETS	\$119,681,127.14	\$124,057,597.56

GENERAL BALANCE SHEET-Concluded

Liabilities	Dec. 31, 1936	Dec. 31, 1935
Current Liabilities		
udited Accounts and Wages Payable	\$608,481.34	\$611,699.18
fatured Interest, Dividends and Repts Unpaid	\$337,042.23	\$367,050.85
accrued Interest, Dividends and Rents Payable	4007,012.20	Ψασι, σοσ.σο
Accrued Interest on Funded Debt	\$942,313.91	\$1,098,824.33
Accrued Rent of Leased Roads	5,678.36	5,998.02
Acerued Rent of Subways, Tunnels & R. T. L.	109,158.32	107,912.50
Tree live of bill on by 2 times to 11 27 27	,	107,012.00
Total Accrued Interest, Dividends and Rents Payable Other Current Liabilities:	\$1,057,150.59	\$1,212,734.85
remium on B. E. Ry Co. Bonds,		
Called for Redemption on Jan. 1, 1936		\$12,000.00
Called for Redemption on Feb. 1, 1936		\$65,110.00
Total Current Liabilities	\$2,002,674.16	\$2,268,594.88
Deferred Liabilities		
otal Deferred Liabilities	\$24,460.89	\$14,413.69
Unadjusted Credits		
'ax Liability	\$1,434,095.28	\$1,254,455,31
remium on Funded Debt	\$28,186.68	\$32,209.64
njury and Damage Reserve	\$1,184,096.28	\$1,234,094,48
corned Depreciation—Road and Equipment	\$15,103,237.42	\$13,427,497.66
Other Unadjusted Credits:		
Outstanding Tickets and Tokens	\$81,532.54	\$68,932.50
Unredeemed Preferred Stocks	7,653.72	7,657.00
Other Unadjusted Credits	234,211.83	222,493.23
Total Other Unadjusted Credits	\$323,398.09	\$299,082.73
Total Unadjusted Credits	\$18,073,013.75	\$16,247,339.82
Iotal bhailgasted cresits	ψ10,010,010.70	\$10,247,003.02
Corporate Surplus		
Profit and Loss:		
Prior to July 1, 1918	\$12,127.83*	\$12,127.83*
Year Ended June 30, 1931	1,969,473.12*	1,969,473.12*
Cost of Service Deficit 9 months ended December 31.	1,765,933.86*	2,030,663.03
Arising out of Consolidation with West End St. Ry.	F 40 F 00 00	F 10 P 00 00
Co., June 10, 1922 and Reorganization July 1, 1931	540,768.02	540,768.02
Total Corporate Surplus	\$3,206,766.79*	\$3,471,495.96*
Total Liabilities	\$119,681,127.14	\$124,057,597,56

^{*}Debit.

Note:—Amounts advanced by Commonwealth of Massachusetts for deficits in Cost of Service 1932-1936, \$9,562,686.11 as at December 31, 1936. (See Statement of Loan Assessments, Page 39.)

Appendix 3

INCOME STATEMENT

	Twelve Months Ended Dec. 31, 1936	Twelve Months Ended Dec. 31, 1935
OPERATING INCOME		
	995 905 750 05	#24 020 40 7 57
assenger Revenue	\$25,395,750.05	\$24,268,437.55
fail Revenue	106,666.10	78,930.21
an Revenue	175.00	175.00
Total Revenue from Transportation	\$25,502,591.15	\$24,347,542.76
tation and Car Privileges	\$459,326.06	\$457,833.71
tent of Tracks and Facilities	4,584.40	8,023.60
tent of Equipment	9,002.19	10,122.90
tent of Buildings and Other Property	52,767.78	52,524.63
lower	23,341.52	11,271.95
fiscellaneous	338.97	289.62
Total Revenue from Other Railway Operations	\$549,360.92	\$540,066,41
Total Railway Operating Revenues	\$26,051,952.07	\$24,887,609.17
ailway Operating Expenses:		
Way and Structures	\$2,825,340.03	\$2,787,556.21
Equipment	3,345,697.89	3,237,473.34
Power	1,750,222.28	1,708,296.72
Conducting Transportation	8,297,342.05	7,955,676.05
Traffic	10,662.86	7,438.37
General and Miscellaneous	2,194,336.78	1,983,329.94
Transportation for Investment	†13,259.90	†14,358.04
Total Railway Operating Expenses	\$18,410,341.99	\$17,665,412.59
et Revenue Railway Operations	\$7,641,610.08	\$7,222,196.58
axes Assignable to Railway Operations	\$1,573,217.91	\$1,520,923.60
perating Income	\$6,068,392.17	\$5,701,272.98

†Oredit.

INCOME STATEMENT—Concluded

<u>▶</u>		
	Twelve Mouths Ended Dec. 31, 1935	Twelve Months Ended Dec. 31, 1936
Non-Operating Income		
Income from Funded Securities	\$29,274.37	\$20,137.00
Income from Unfunded Securities and Accounts		465,20
Income from Sinking Fund and Other Reserves	10,800,00	10,800.00
Release of Premiums on Funded Debt	4,022.96	7,292.52
Miscellaneous Income	106.07	122.57
Sistematical filedisc (V V V V V V V V V V V V V V V V V V	100.01	122.07
Total Non-Operating Income	\$44,203.40	\$38,817.29
Gross Income	\$6,112,595.57	\$5,740,090,27
DEDUCTIONS FROM GROSS INCOME Rent for Leased Roads:	-	
Boston Elevated Railway Co.—Dividend Rental	\$1,193,970.00	\$1,193,970.00
Other Roads	46,161.00	46,647.62
Total Rent for Leased Roads	\$1,240,131.00	\$1,240,617.62
Miscellaneous Rents	2,812,255.07	2,809,087.75
Net Loss on Miscellaneous Physical Property	7,992.91	14,934.13
Interest on Funded Debt	3,862,562.10	3,816,442,94
Interest on Unfunded Debt		1.10
Amortization of Discount on Funded Debt	78,299.77	79,142.51
Miscellaneous Debits	8,823.73	9,115.45
Total Deductions from Gross Income	\$8,010,064.58	\$7,969,341.50
Operating Loss for Year	*\$1,897,469.01	*\$2,229,251.23
		7-,0,201123

^{*}Debit.

Appendix 4

OPERATING EXPENSE ACCOUNTS

	Twelve Months Ended Dec. 31, 1936	Twelve Months Ended Dec. 31, 1935
WAY AND STRUCTURES		
Superintendence of Way and Structures	\$239,486.57	\$233,270.60
Maintenance of Track and Roadway	959,317.15	919,186.73
Removal of Snow and Ice	214,936.04	283,464.98
Roadway Structures	91,857.93	80,886.14
Signals and Interlocking Apparatus	31,076.40	39,631.51
Telephone and Telegraph Lines	5,707.49	4,533.07
Other Miscellaneous Expenses	39,836.16	40,698.53
Maintenance of Electric Line Equipment	170,989.25	177,269.46
Maintenance of Buildings and Grounds	310,613.04	247,095.19
Depreciation of Wav and Structures	761,520.00	761,520.00
Total Way and Structures	\$2,825,340.03	\$2,787,556.21
EQUIPMENT		
Superintendence of Equipment	\$146,034.88	\$136,240.74
Maintenance of Cars and Coaches	1.218,092.45	1,152,121.08
Service Equipment	33,162.90	40,994.53
Maint, of Electric Equipment of Cars and Coaches	341,484.06	356,200.67
Shop Equipment	30,997.98	25,137.38
Shop Expenses	248.378.16	237,420.88
Miscellaneons Equipment	61,091.10	63,545.14
Depreciation of Equipment	821,640.00	821,640.00
Depreciation of Coaches	444,816.36	404,172.92
Total Equipment	\$3,345,697.89	\$3,237,473.34
Power		
Superintendence of Power	\$85,784.62	\$88,720.81
Maintenance of Power Plant Bldgs. & Equipt	120,515.38	152,934.59
Depreciation of Power Plant Bldgs, & Equipt	420,840.00	420,840.00
Operation of Power Plants	867,537.06	807,813.44
Gasoline for Motor Coaches	255,545.22	237,987.88
Total Power	\$1,750,222.28	\$1,708,296.72

OPERATING EXPENSE ACCOUNTS—Concluded

	Twelve Months Ended Dec. 31, 1936	Twelve Months Ended Dec. 31, 1935
Conducting Transportation		
Superintendence of Transportation	\$1,049,607.95	\$1,036,257.47
Pass. Car, Trainmen and Coach Operators	4,909,543.68	4,685,572.55
Misc. Car and Coach Service Employes	188,213.35	197,751.20
Misc. Car and Coach Service Expenses	105,249.48	105,668.34
Station Employes	627,216.89	612,410.40
Station Expenses	191,913.71	181,775.32
Car House and Coach Garage Employes	678,603.83	607,322.33
Car House and Coach Garage Expenses	93,970.64	92,512.18
Operation of Signal & Interlocking Apparatus	223,569.50	214,183,85
Operation of Telephone & Telegraph Lines	11,704.90	10,080.38
Other Transportation Expenses	217,748.12	212,142.03
Total Conducting Transportation	\$8,297,342.05	\$7,955,676.05
TRAFFIC		
Traffic	\$10,662.86	\$7,438.37
GENERAL AND MISCELLANEOUS		
Salaries and Expenses of General Officers	\$81,647.24	\$79,474.02
Salaries and Expenses of General Office Clerks	365,151.57	305,195.83
General Office Supplies and Expenses	72,045.77	73,351.47
Law Expenses	39,091.60	38,842,29
Relief Department Expenses	3,420.00	3,420.00
Pensions and Gratuities	219,037.81	216,666.10
Miscellaneous General Expenses	98,417.76	87,433.70
Injuries and Damages	832,965,84	720,794.40
Insurance	139,768.92	135,591.83
Stationery and Printing	54,773.90	59,835.45
Store Expenses	171,015.16	160,831.74
Garage Expenses (Exel. Motor Coach Garages)	88,143.49	72,381.93
Rent of Tracks and Facilities	14,761.57	15,377.61
Rent of Equipment	14,096.15	14,133.57
	\$2,194,336.78	\$1,983,329.94
Total General and Miscellaneous		
Total General and Miscellaneous	†13,259.90	†14,358.04

Appendix 5

ROAD AND EQUIPMENT INVESTMENT

Account	Total Dec. 31, 1936	Total Dec. 31, 1935
- WAY AND STRUCTURES		
A/c 501 Engineering and Superintendence	\$1,733,439.11 11,467,432.64	\$1,688,731.45
502 Right of Way	5,722,265.43	11,450,453.85 5,575,931.08
504 Grading	331,462.46	275,582.43
505 Ballast	759,222.74	748,749.16
506 Ties	888,466.57 2,098,264.16	822,556.98 1,929,969.82
508 Special Work	4,388,957.45	4,329,980.68
510 Track and Roadway Labor	4,285,925.42	4,106,989.46
511 Paving	1,529,985.49 389,492.26	1,507,605.72 337,705.60
513 Tunnels and Subways	347,908.22	347,908.22
514 Elevated Structures and Foundations	5,589,137.53	5,589,137.53
515 Bridges, Trestles and Culverts	2,002,986.39 88,550.24	1,915,232.43
517 Signals and Interlocking Apparatus	1,102,058.72	93,497.24 1,099,367.63
518 Telephone and Telegraph Lines	102,935.36	101,907.36
519 Poles and Fixtures 520 Underground Conduit 521 Distribution System 523 Shops, Car Houses and Garages	626,884.34 1,861,653.77	582,993.17
521 Distribution System	3,702,139.11	1,817,825.46 3,561,854.56
523 Shops, Car Houses and Garages	7,266,456.32	7,114,080.27
524 Stations, Misc. Buildings and Structures	4,509,276.32 232,301.20	4,449,091.38
525 Wharves and Docks	/	232,301.20
Total Way and Structures	\$61,027,201.25	\$59,679,452.68
EQUIPMENT		
A/c 530 Pass. Cars, Motor and Trolley Coaches	\$21,021,104.60	\$20,421,345.03
532 Service Equipment	1,018,911.49	1,021,032.78
533 Electric Equip. of Cars and Trolley Coaches	7,675,158.63 742,421,42	7,488,358.73 719,792.90
537 Furniture, Fare Boxes and Passimeters	256,116.92	247,429.99
538 Miscellaneous Equipment	714,568.07	544,534.52
Total Equipment	\$31,428,281.13	\$30,442,493.95
Power		
A/c 539 Power Plant Buildings	\$3, 591,627.83	\$3,589,835.31
540 Sub Station Buildings	640,979.22	640,979.22
542 Power Plant Equipment	6,898,306.02 2,690,941.28	6,939,745.81
543 Sub Station Equipment	1,608,062.20	2,698,060.28 1,608,062.20
Total Power	\$15,429,916.55	\$15,476,682.82
GENERAL AND MISCELLAXEOUS		
A/c 546 Law Expenditures	\$250.00	\$250.00
547 Interest during Construction	1,832,301.09 7,500.00	1,783,601.09 7,500.00
549 Taxes	145,866.54	145,866.54
550 Miscellaneous	13,215.00	13,215.00
Total General and Miscellaneous	\$1,972,702.63	\$1,924,002.63
A/c 551 Unfinished Construction	\$190,337.66	\$56,799.34
TOTAL ROAD AND EQUIPMENT	\$110,048,439.22	\$107,579,431.42

APPENDIX 6

INVESTMENT IN ROAD OWNED AND LEASED DECEMBER 31, 1936

Boston Elevated Railway		
Road and Equipment	\$110,048,439.22 776,862.87	
Total Boston Elevated Railway Investment .		\$110.825,302.09
Leased Lines		
Hyde Park Transportation District (City of Boston)	\$245,931.51	
Eastern Mass. St. Ry. Co. (Part Leased) Old Colony Lines, West Roxbury . \$672,847.44		
Boston & Northern Lines, Middlesex Fells Lines		
Expenditures for Additions and Betterments 190,087.63		
Total Eastern Mass. St. Ry. Co	892,481.08	
Total Leased Lines		1,138,412.59
City of Boston Investment		
Boylston Subway	\$11,483,156.98	
Cambridge Connection	1,654,625.23	
Dorchester Tunnel	12,240,633.79	
Dorchester Rapid Transit Extension	11,006,103.96	
East Boston Tunnel	7,279,318.37	
East Boston Tunnel Extension	2,346,768.29	
Tremont Subway	4,624,678.65	
Washington Tunnel	7,969,552.34	
Total City of Boston Investment		58,604,837.61
Commonwealth of Massachusetts Investment		
Cambridge Subway	\$8,226,759.52	
Total Commonwealth of Massachusetts Investment .		8,226,759.52

TOTAL INVESTMENT IN ROAD OWNED AND LEASED . . . \$178.795,311.81

Appendix 7 Investment and Total Income 1897-1936

Year Ended	Total	Total	Permanent Investment Per \$1 of
	Investment	Income	Total Income
Sept. 30, 1897	\$25,291,913.22	\$8,719,031.78	\$2.90
Sept. 30, 1898	31,251,811.90	9,257,252.94	3.38
Sept. 30, 1899	33,187,250.79	9,756,136.25	3.40
Sept. 30, 1900	37,793,501.62	10,236,994.49	3.69
Sept. 30, 1901	44,087,939.53	10,869,496.33	4.06
Sept. 30, 1902	46,466,591.31	11,321,030.13	4.10
Sept. 30, 1903	48,398,610.91	12,019,371.26	4.03
Sept. 30, 1904	51,886,524.39	12,436,593.79	4.13
Sept. 30, 1905	57,187,809.61	12,741,569.30	4.49
Sept. 30, 1906	59,873,910.46	13,634,612.49	4.39
Sept. 30, 1907	65,979,896.07	14,011,167.72	4.71
Sept: 30, 1908	70,957,716.76	14,074,696.51	5.04
Sept. 30, 1909	81,592,634.49	14,493,853.13	5.63
June 30, 1911	92,904,910.27	15,980,707.94	5.81
June 30, 1912	101,864,058.69	16,522,542.00	6.17
June 30, 1913	105,019,587.59	16,968,328.33	6.19
June 30, 1914	106,990,919.12	17,785,978.25	6.02
June 30, 1915	113,166,182.04	17,886,549.64	6.33
June 30, 1916	117,116,007.58	18,781,327.74	6.24
Dec. 31, 1917	121,807,319.67	19,818,407.01	6.15
Dec. 31, 1918	134,181,073.47	21,062,692.82	6.37
Dec. 31, 1919	138,117,974.50	29,498,582.82	4.68
Dec. 31, 1920	139,156,058.00	34,031,636.44	4.09
Dec. 31, 1921	141,345,133.42	33,277,025.53	4.25
Dec. 31, 1922	143,345,873.68	32,699,176.37	4.38
Dec. 31, 1923	149,001,108.85	34,096,813.26	4.37
Dec. 31, 1924	155,490,852.91	34,175,319.61	4.54
Dec. 31, 1925	156,474,884.41	34,547,379.61	4.53
Dec. 31, 1926	159,025,141.62	35,481,313.38	4.48
Dec. 31, 1927	163,901,383.91	35,193,410.03	4.67
Dec. 31, 1928	172,480,669.04	34,843,147.51	4.95
Dec. 31, 1929	175,224,091.62	34,096,623.03	5.14
Dec. 31, 1930	175,045,256,41	32,510,721.17	5.38
Dec. 31, 1931	175,553,658.23	29,855,107.30	5.88
Dec. 31, 1932	177,673,869.99	26,428,493.63	6.72
Dec. 31, 1933	176,070,985.04	24,154,373.09	7.29
Dec. 31, 1934	176,108,007.79	24,818,625.48	7.09
Dec. 31, 1935	176,252,570.57	24,926,426.46	7.07
Dec. 31, 1936	178,795,311.81	26,096,155.47	6.85

The permanent investment represents the actual money expended for property operated, owned and leased, including subways, tunnels and rapid transit lines owned by the City of Boston and Commonwealth of Massachusetts.

APPENDIX 8

Capital Outstanding December 31, 1936 Outstanding Capital Stock

COMMON STOCK

No. Shares Outstanding	Par Value Shares Outstanding	Net Premium	Amount Realized	Date of Approval by Commission	Yearly Dividend	Dividends Payable
5,000 95,000 33,000 66,500 39,294 238,794	\$500,000.00 9,500,000.00 3,300,000.00 6,650,000.00 3,929,400.00 \$23,879,400.00	\$1,815,000.00 695,958.13 196,470.00 \$2,707,428.13	\$500,000.00 9,500,000.00 5,115,000.00 7,345,958.13 4,125,870.00 \$26,586,828.13	July 26, 1897 July 6, 1900 Aug. 22, 1902 Dec. 18, 1908 Dec. 6, 1912	5%—\$1,193,9	Jan. 1 Apr. 1 July 1 Oct. 1

OUTSTANDING FUNDED DEBT

_								
	Par Value	Rate	Maturity	Net Premium or Discount	Amount Realized	Date of Approval by Commission	Yearly Interest	Co.
an an an an an an an	\$2,098,000.00 4,800,000.00 5,000,000.00 4,000,000.00 1,000,000.00 3,286,000.00 570,000.00 570,000.00 1,581,000.00 6,309,000.00 7,711,000.00 3,815,000.00 7,500,000.00 23,430,917.00	3 % % 4 ½ % % 4 ½ % % 5 % 6 % 6 %	Mar. 1, 1937 Nov. 1, 1941 Dec. 1, 1942 Dec. 1, 1942 Mar. 1, 1942 Mar. 1, 1944 Sept. 1, 1947 Aug. 1, 1949 Jan. 1, 1960 Dec. 15, 1960 June 1, 1961 * * * *	*\$14,539.14 *29,585.04 *100,000.00 *80,000.00 *78,410.00 *257,655.26 112,832.07 399.00 *77,690.34 *139,428.90 69,615.00 *186,220.65 *36,242.50 *\$816,925.76	\$2,083,460.86 4,770,414.96 4,900,000.00 3,920,000.00 3,921,590.00 3,028,344.74 2,712,832.07 570,399.00 1,503,309.66 6,169,571.10 8,569,615.00 7,524,779.35 3,778,757.50 1,500,000.00 23,430,917.00 \$75,383,991.24	Feb. 5, 1934 June 15, 1907 Oct. 17, 1911 Dec. 6, 1912 May 27, 1914 Nov. 9, 1915 { Feb. 4, 1914 { Aug. 24, 1917 } Sept. 4, 1917 July 11, 1934 Dec. 4, 1934 Feb. 21, 1935 Nov. 15, 1936 Note B Note A	\$62,940.00 216,000.00 225,000.00 200,000.00 50,000.00 164,300.00 39,900.00 71,145.00 315,450.00 425,000.00 346,995.00 171,675.00 90,000.00 1,405,855.02	B. E. B. E. B. E. B. E. B. E. W. E. B. E. B. E. B. E. B. E. B. E. B. E.

^{*}Discount.

A .-- Authorized by Section 4, Chapter 333, Acts of 1931.

B.—Auth. by Amendment to Sec. 4, Chap. 333, Acts of 1931, made by Sec. 1, Chap. 299, Acts of 1932.

^{\$}Held by Boston Metropolitan District. (Total \$54,944,917.00.)

Average Rate of Return 5.009% on Capital Outstanding.

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APPENDIX 9

REVENUE PASSENGERS CARRIED—1897 TO 1936

Per Cent Yearly Increase	3.41%	5.08	5.35	5,29	6.25	4.11	4.99	3,48	2.18	6.21	3.36	0.76	2.88	4,45	1.71	5.17	5.16	0.91	4.95	1.99	8.49*
Total Revenue Passengers	172,554,514	181,321,295	191,023,224	201,124,710	213,703,983	222,484,811	233,563,578	241,681,945	246,941,776	262,267,240	271,084,815	273,132,584	281,008,471	305,098,665	310,310,009	326,352,863	343,181,049	346,316,584	363,477,041	381,017,338	348,664,700
Special Car & Motor Coach Passengers (See Note)							1					142,227	182,662	271,897	232,409	204,310	218,958	170,401	173,588	198,096	100,989
Pupils' Tickets 5c									1												
10c Fares	l		1	1	1	1					1			-			1				
Sc Fares													1		.				-		28,739,868
7e Fares		-							1			1			1			1	-		102,619,954
6 and 6 ½ c Tickets and Tokens			1			1											1		1		
5c Pares	172,554,514	181,321,295	191,023,224	201,124,710	213,703,983	222,484,811	233,563,578	241,681,945	246,941,776	262,267,240	271,084,815	272,990,357	280,825,809	304,826,768	310,077,600	326,148,553	342,962,091	346,146,183	363,303,453	380,819,242	217,203,899
Year Ended	Sept. 30, 1897	Sept. 30, 1898	Sept. 30, 1899	Sept. 30, 1900	Sept. 30, 1901	Sept. 30, 1902	Sept. 30, 1903	Sept. 30, 1904	Sept. 30, 1905	Sept. 30, 1906	Sept. 30, 1907	Sept. 30, 1908	Sept. 30, 1909	June 30, 1911	June 30, 1912	June 30, 1913	June 30, 1914	June 30, 1915	June 30, 1916	Dec. 31, 1917	Dec. 31, 1918

REVENUE PASSENGERS CARRIED—1897 TO 1936—Concluded

Special Car & Motor Coach Total Revenue Per Cent Passengers Passengers Increase (See Note)	97,936 324,758,685 6.86*	77,800 335,526,561 3.32	105,990 337,252,080 0.51	103,618 856,593,942 5.73	04,285 382,149,697 7.17	107,975 382,888,848 0.19	132,995 365,036,286 \$4.66*	29,772 371,218,401 1.69	172,846 366,938,908 1.15*	161,314 362,005,033 1.34*	168,441 854,214,990 2.15*	304,924 342,694,905 3.25*	214,884 324,788,577 5.23*	206,682 291,753,825 10.17*	257,253 267,845,429 8.19*	129,514 277,034,175 3,43		505,346 280,402,526 1.22
								_								4		
res Pupils' Tickets 5c	3,803,815	184 5,105,588	5,606,105	5,213,664	1,214,132	4,443,228	6,003,917	64 5,971,189	554 6,178,984	6,146,748	6.371,689	6,357,662	6,330,862	6,333,016	6,036,196	554 5,756,660	5,543,664	
s 10c Fares	69 146,162,131	326,496,184	307,624,243	279,851,313	283,660,762	283,569,003	299,107,782	304,378,164	299,340,854	295,168,018	288,789,514	275,612,705	250,941,595	220,884,856	201,239,625	205,903,554	205,471,568	
8c Fares	173,808,769	-			and the second second				-				-	-				
7c Fares				1			1			1	-	1						_
6 and 6 1/4 c Tickets and Tokens				1		9,549,775	55,937,785	58,803,057	58,890,542	57,785,211	56,272,366	36,295,851	38,625	7,369	3,204	1,271	355	
5c Fares	886,034	3,846,989	23,915,742	71,425,347	94,170,518	85,218,867	3,853,807	1,936,219	2,355,682	2,743,742	2,612,980	24,123,763	67,262,611	64,321,902	60,309,151	64,943,176	68,881,593	
Year Ended	Dec. 31, 1919	Dec. 31, 1920	Dec. 31, 1921	Dec. 31, 1922	Dec. 31, 1923	Dec. 31, 1924	Dec. 31, 1925	Dec. 31, 1926	Dec. 31, 1927	Dec. 31, 1928	Dec. 31, 1929	Dec. 31, 1930	Dec. 31, 1931	Dec. 31, 1932	Dec. 31, 1933	Dec. 31, 1934	Dec. 31, 1935	

5c Local Fares started Sept. 1, 1930. 10c Duplex Tickets (5c Local Fares) started Nov. 28, 1930. 6% c Tickets and Tokens discontinued Aug. 31, 1930. First 5c Fare Line (without transfer) August 23, 1919. First 5c Local Fare Line March 26, 1921. 6e Local Fare November 5, 1924. 64c Local Fare July 1, 1927. 10c Fare July 10, 1919 (Incl. Govt. Tickets). 5c fare Previous to August 1, 1918.
7c Fare August 1, 1918.
8c Fare December 1, 1918.
Pupils' Tickets (5c) Jan. 1, 1919.

Note:—Previous to 1908 Special Car Passengers included with 5c Fares.

Suring the years 1922, 1923 and 1924, one passenger making a single journey for which he might pay two five-cent fares was counted as two revenue passengers. The substitution in November, 1924, of six-cent telaction fares often resulted in the payment of a ten-cent fare by such a passenger with a consequent reduction in the company's figures of total revenue passengers carried, though the gross passenger revenue for the year 1925 which increased \$371,269.51 would indicate substantially the same number of passengers carried by the valiway in 1925 and 1924. *Bold face Denotes Decreases.

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APPENDIX 10

REVENUE MILEAGE—1898 TO 1936

	E C			Surface Lines			Total	Other	Total
Year Ended	Kapid Transit Lines	Two Men Cars	One Man Cars	Motor Coaches	Trolley Coaches	Total Surface Lines	Passenger Service	Revenue Mileago	Revenue Mileage
Sept. 30, 1898 .		32,209,150				32,209,150	32,209,150	170,295	32,379,445
Sept. 30, 1899 .		34,594,224		1		84,594,224	34,594,224	174,294	34,768,518
Sept. 30, 1900 .		38,171,984				38,171,984	38,171,984	181,530	38,353,514
Sept. 30, 1901 .	1,516,175	42,115,209	1		1	42,115,209	43,631,384	193,495	43,824,879
Sept. 30, 1902 .	5,725,455	40,047,381			1	40,047,381	45,772,836	227,163	45,999,999
Sept. 30, 1903 .	7,086,634	40,390,068			1	40,390,068	47,476,702	211,785	47,688,487
Sept. 30, 1904 .	7,004,579	41,313,402	1			41,313,402	48,317,981	202,471	48,520,452
Sept. 30, 1905 .	7,045,174	41,024,230			1	41,024,230	48,069,404	204,218	48,273,622
Sept. 30, 1906 .	7,718,735	42,337,873				42,337,873	50,056,608	224,178	50,280,786
Sept. 30, 1907 .	7,802,457	44,027,731		-		44,027,731	51,830,188	231,381	52,061,569
Sept. 30, 1908 .	7,806,503	43,818,640	1		1	43,818,640	51,625,143	232,746	51,857,889
Sept. 30, 1909 .	7,295,450	43,599,806	*	-		43,599,806	50,895,256	232,425	51,127,681
June 30, 1911 .	8,523,434	15,895,457	1	1	1	45,895,457	54,418,891	228,305	54,647,196
June 30, 1912 .	9,362,316	45,202,162				45,202,162	54,564,478	225,695	54,790,173
June 30, 1913 .	. 11,385,787	46,118,784				46,118,784	57,504,571	279,748	57,784,319
June 30, 1914 .	. 11,647,877	45,973,201	-			45,973,201	57,621,078	369,358	57,990,436
June 30, 1915 .	. 12,081,986	45,306,117				45,306,117	57,388,103	417,592	57,805,695
June 30, 1916 .	12,920,965	45,415,479	1		1	45,415,479	58,336,444	235,864	58,572,308
Dec. 31, 1917 .	. 14,467,782	44,725,977	1	-	1	44,725,977	59,193,759	261,934	59,455,693
Dec. 31, 1918 .	. 13,364,229	39,398,056				39,398,056	52,762,285	259,531	53,021,816
Dec. 31, 1919 .	. 14,139,619	39,373,452	20,451			39,393,903	53,533,522	187,727	53,721,249
							-		

Total	Mileage	51,359,855	19,804,625	50,707,740	54,156,064	56,091.347	55,558,126	57,943,381	56,834,029	57,481,292	56,684.985	56,061,848	58,553,889	51,195,761	46,141,119	45,822.648	46,033,344	46,492,077
Other	Mileage	122,328	97,928	132,652	106,399	102,668	97,032	47,500	6.067	6,168	6,250	696	-1	395	124			
Total	Service	51,237,527	49,706,697	50,575,088	54,049,665	55,988,679	55,461,094	57,895,881	56,827,962	57,475,124	56,678,735	56,060,874	53,553,817	51,195,366	46,140,995	45,822,648	46,033,344	46,492.077
	Total Surface Lines	36,697,053	35,732,207	87,258,994	40,254,551	41,240,980	40,624,438	42,791,108	41,603,431	40,774,018	89,754,729	39,552,650	38,377,806	36,409,073	38,777,075	33,763,628	34,143,450	34,894,099
	Trolley Coaches																	154,289
Surface Lines	Motor Coaches			63,959	162,391	890,901	2,472,456	4,717,900	5,562,766	5,999,879	7,138,386	7,813,467	8,771,384	8,896,143	9,136,030	9,946,563	10,281,114	10,485,554
	One Man Cars	504,482	2,487,730	5,010,900	9,511,305	12,197,587	13,271,296	14,419,209	15,121,844	15,964,148	17,930,051	20,298,873	19,585,766	19,521,534	20,920,013	20,726,937	21,050,170	21,329,703
	Two Men Cars	36,192,621	33,244,477	32,184,135	30,277,855	28,152,492	24,880,686	23,658,994	20,919,321	18,809,991	14,686,292	11,440,310	10,020,656	7,991,396	3,721,032	3,090,128	2,812,166	2,924,560
8 77	Lines	14,540,474	13,974,490	13,316,094	13,795,114	14,747,699	14,836,656	15,104,778	15,224,531	16,701,106	16,924,006	16,508,224	15,176,011	14,786,293	12,363,920	12,059,020	11,889,894	11,597,978
	Year Ended	Dec. 31, 1920	Dec. 31, 1921	Dec. 31, 1922	Dec. 31, 1923	Dec. 31, 1924	Dec. 31, 1925	Dec. 31, 1926	Dec. 31, 1927	Dec. 31, 1928	Dec. 31, 1929	Dec. 31, 1930	Dec. 31, 1931	Dec. 31, 1932	Dec. 31, 1933	Dec. 31, 1934	Dec. 31, 1935	Dec. 31, 1936

	1901	1901	1908	1909	1912	1917	1918	1919	1927	1928	1924		1929	1982	
	10,	22,	30,	22,	23,	15,	29,	15,	5	Ή.	21,		21,	27,	
	June	Aug.	Nov.	Nov.	Mar.	Dec.	June	Mar.	Nov.	Sept.	April		mber	Feb.	.5.
	Started June 10, 1901	Started	Opened	Elevated, Main Line Extended to Forest Hills, Nov. 22, 1	Opened	Opened	ndrew Sta.,	verett Sta.,	ds Corner,	Ashmont,	tion,	fattapan	Opened December 21, 1929	Opened Feb. 27, 1932	Mail Car Operations Discontinued August 14, 1915.
LINES	Šť.			ed to F		a,	d to A	d to E	to Fie	ided to	Opera	ne to M	•		any pa
RAPID TRANSIT LINES	Dudley (Extend		dway St	Extende	Extende	xtended	Exter	Transit	lley Lir			continue
D TR	to to					Broa			=		Rapid	d Tre			s Dis
RAPL	livan Se					nmel to	nnel		nnel	nnel	ged to	zh Spee			eration
	e, Sul	Ave.	mel	a		ter Tu	er Tu	ь	er Tu	er 'L	chan	n Hi			ar Oj
	Line	ntie 4	. Tu	Line	oway	rchest	rchest	Lin	rchest	rchest	unnel	tensio			ë E
	Mair	Atla	on St	Main	ge Sul	ge-Do	re-Doi	Main	re-Doi	re-Doi	ton T	er Ex		station	N
	Elevated, Main Line, Sullivan Sq. to Dudley St.	Elevated,	Washingt	Elevated,	Cambridg	Cambridg	Cambridg	Elevated,	Cambridg	Cambridg	East Bost	Dorcheste		Charles Station	

Tremont St. Subway, Church St. to Park St.
Tremont St. Subway, Pleasant St. to Park St.
Tremont St. Subway, Park St. to North Station
East Gamburgy, Park St. to North Station
Park Cambridge Vaduet
Baytston St. Subway
Popend Opened
Baytston St. Subway
Popend Opened
Baytston St. Subway

1, 1897 1, 1897 3, 1898 30, 1904 1, 1912 3, 1914 28, 1932

Sept. Oct. Sept. Dec. June Oct.

APPENDIX 11

COMPARATIVE DIVISION OF RECEIPTS AND EXPENDITURES FOR YEARS ENDED DEC. 31

	1936	1935	1934	1933	1932
Total Receipts	\$26,096,155.47	\$24,926,426.46	\$24,818,625.48	\$2 4,1 54 , 373.09	\$26,428,493
Operating Expenses:					
Wages	12,346,223.40	11,756,916.62	11,332,549.54	11,406,164.52	13,390,232
Material and other Items	2,090,890.27	2,131,401.89	2,024,056.24	1,907,053.77	2,193,922
Injuries and Damages	676,742.17	577,614.11	484,417.54	5 1 5,616.02	773,076
Depreciation	2,448,816.36	2,408,172.92	2,310,454.86	2,304,096.56	2,313,952
Fuel	847,669.79	791,307.05	743,612.31	696,716.18	871,243
Total Operating Expenses	\$18,410,341.99	\$17,665,412.59	\$16,895,090.49	\$16,829,647.05	\$19,542,428.
Taxes	1,573,217.91	1,520,923.60	1,407,119.47	1,479,247.50	1,404,811
Dividends	1,193,970.00	1,193,970.00	1,193,970.00	1,193,970.00	1,193,970
Subway, Tunnel and R. T. L. Rents .	2,812,255.07	2,809,087.75	2,796,255.81	2,790,779.35	2,790,925
Interest on Bonds and Notes	3,862,562.10	3,816,444.04	3,867,092.75	3,988,664.89	3,946,631.
Miscellaneous Items	141,277.41	149,839.71	123,586.71	119,994.56	119,173
Total Cost of Service	\$27,993,624.48	\$27,155 , 677.69	\$26,283,115.23	\$26,402,303.35	\$28,997,939.
Loss for Year	\$1,897,469.01	\$2,229,251.23	\$1,464,489.75	\$2,247,930.26	\$2,569,445.

Note: -- Profit and Loss Items not included in above.

Appendix 12

Traffic Statistics, Years Ended December 31

	1936	1935	1934	1933
Round trips operated	6,222,871 \$25,502,416,15	6,134,988 \$24,347,367.76	6,151,314 \$24,187,1 2 8.75	6,166,659 \$23,475,404.11
Passenger revenue per mile (cents) .	54.85c	52.89c	52.78e	50.88e
Passenger revenue per hour	\$5.693 46,492,077	\$5.471 46,033,344	\$5,421 45,822,648	\$5.204 46,140,995
Passenger revenue hours	4,479,552	4,450,340	4,461,771	4,510,925
Revenue passengers carried	296,180,666	280,402,526	277,034,175	267,845,429
Revenue passengers carried per mile .	6.371	6.091	6.046	5,805
Revenue passengers carried per hour.	66.12	63.01	62.09	59.38

Comparative Passenger Statistics—Revenue Passengers Carried

APPENDIX 13

		Yes	ar		Week Day Average	Saturday Average	Sunday Average	Holiday Average	Total for Year
1936					887,327	876,626	418,647	552,292	296,180,666
1935					843,059	828,781	399,801	521,574	280,402,526
1934					834,409	812,085	397,514	502,981	277,034,175
1933					805,668	794,068	386,439	494,365	267,845,429
1932					870,865	879,000	421,070	504,983	291,753,825
1931					971,487	997,669	460,564	558,262	324,788,577
1930					1,025,036	1,050,111	488,101	590,810	342,694,905
1929					1,049,304	1,123,058	518,093	602,071	354,214,990
1928					1,067,980	1,143,250	539,813	631,916	362,005,033
1927.					1,079,087	1,166,933	555,326	661,840	366,938,908

RATIO OF MAINTENANCE AND DEPRECIATION TO TOTAL INCOME, PER CENT.

APPENDIX 14

		Yea	ır E	nde	d			Total Income	Maintenance and Depreciation	Per Cent
December	31,	1936						\$26,096,155.47	\$6,505,769.78	24.93
December	31,	1935						24,926,426.46	6,326,658.07	25.38
December	31,	1934						24,818,625.48	6,007,231.01	24.20
December	31,	1933						24,154,373.09	5,899,833.49	24.43
December	31,	1932						26,428,493.63	6,661,106.46	25.20
December	31,	1931						29,855,107.30	7,903,344.74	26.47
December	31,	1930						32,510,721.17	8,311,029.03	25.56
December	31,	1929						34,096,623.03	8,284,093.66	24.29
December	31,	1928						34,843,147.51	8,595,987.73	24.67
December	31,	1927						35,193,410.03	8,639,138.59	24.55

APPENDIX 15

Comparative Power Statistics

	1936	1935	1934	1933	1932
Tons of coal burned	123,296	122,240	122,635	125,126	150,758
Pounds of coal per D. C. kilowatt hour	1.362	1.359	1,355	1.403	1,531
Average price of coal per long ton (at boilers)	\$4.80	\$4.53	\$4.34	\$4.16	\$4.54
Net cost of power for car service per kilowatt hour (cents)	0.753	0.761	0.716	0.721	0.787
Net cost of power per total car mile (cents)	4.037	4,030	3.778	3.582	3.761
Direct current annual output (k. w.)	202,736,175	201,497,540	202,663,915	199,808.155	220,565,340

APPENDIX 16

LOAN ASSESSMENTS ON CITIES AND TOWNS—CHAPTER 159, SPECIAL ACTS 1918, AS AMENDED

Cities and Towns	1932 Assessment For 12 mos. ended June 30, 1932	Assessment mos. ended a 30, 1932	1933 A For 12	1933 Assessment For 12 mos. ended June 30, 1933	1934 As For 12 n June 3	1934 Assessment For 12 mos. ended June 30, 1934	1935 A. For 9 m March	1935 Assessment For 9 mos. ended March 31, 1935	1936 A For 12 r March	1936 Assessment For 12 mos. ended March 31, 1936
1	Per Cent	Amount	Per Cent	Amount	Per Cent	Amount	Per Cent	Amount	Per Cent	Amount
1	66.3766	\$1,178,409.53	64.9186	\$1,787,289.65	66.3329	\$1,029,242.48	68.2640	\$953,230.85	67.1546	\$1,400,980.86
	8.4367	149,780.01	8.5531	235,477.46	7.6351	118,468.65	7.0485	98,424.47	8.2764	172,662.45
	6.3690	113,071.33	6.1072	168,138.80	6.1061	94,744.20	5.3876	75,231.85	5.3853	112,348.26
	3.7385	66,371.04	4.5104	124,176.91	3.9319	61,008.62	4.4547	62,204.93	3.9949	83,341.69
	3,1137	55,278.72	3.6147	99,517.18	3.7299	57,874.32	3.2942	45,999.85	3.1767	66.272.39
	2,9981	53,226.43	3.4001	93,608.97	3.6014	55,880.47	3.2060	44,768.23	3.2638	68,089.47
	2.0768	36,870.24	2.2718	62,545.48	2.0238	31,401.93	2.0002	27,930.57	2.1187	44,200.37
	1.9601	34,798.42	2.0002	55,067.99	1.7951	27,853.35	1.6729	23,360.19	1.5670	32,690.79
	1.5549	27,604.74	1.3296	36,605.54	1,3961	21,662.33	1.3526	18,887.55	1.7067	35,605.22
	1.0046	17,835.05	1.0371	28,552.65	.9786	15,184.27	.9120	12,735.07	1696°	20,223.65
	.9437	16,753.87	1.0349	28,192.08	1.0065	15,617.18	0756.	13,363,44	₹0₹6.	19,618.65
	1167.	14,044.71	.5711	15,723.09	.7416	11,506.90	.7020	9,802.65	.6943	14,484.50
	.6362	11,294.71	.6512	17,928.34	.7210	11,187.27	.7483	10,449.18	.7518	15,684.07
1	100.00%	\$1,775,338.80	100.00%	\$2,753,124.14	100.00%	\$1,551,631.97	100.00%	\$1,396,388.83	100.00%	\$2,086,202.37

Based on traffic counts made July 15, 16, 17, 18, 1932; July 14, 15, 16, 17, 1933; July 20, 21, 22, 23, 1934; April 26, 27, 28, 29, 1935 and April 24, 25, 26, 27, 1936 in accordance with the provisions of Section 14, Chapter 159, Special Acts 1918.

In addition to the above amounts, the expenses of the Commonwealth of Massachusetts for financing the loan assessments are also assessed to cities and towns pro-rata on above percentages. The expenses were for 1932, \$8.261.20; 1933, \$6.063.55; 1934, \$480.19; 1935, \$1.975.03.

Appendix 17

Passenger Cars, Motor and Trolley Coaches Owned December 31, 1936

470

2,260

Surface Cars

Seini-Convertible Cars—Type No	0. 5	•		•				•		470	
Semi-Convertible Cars-Type No	o. 4									266	
Semi-Convertible Cars-Type No	o. 40	000								59	
Centre Entrance Cars										387	
Trailer Cars										84	
Total Surface Cars			•	•							1,266
	1	Rapi	id T	rans	sit C	ars					
Elevated Cars										325	
Cambridge-Dorchester Tunnel (Cars									155	
East Boston Tunnel Cars .										48	
m. In the tea											F00
Total Rapid Transit Cars	٠	•	•	•	•	•	•	•	•		528
TOTAL SURFACE AND RAI	PID T	ΓRAN	sit C	ARS				4			1,794
		M	otor	Co	ache	S					
Mechanical Drive						,				399	
Mechanical Drive (Diesel) .										1	
Gas-Electric Drive										34	
											40.4
Total Motor Coaches	•	•	•	•	٠	•	•	٠	•		434
		T	- 11		7						
		1 1	oiley	Co	oache	25					
Trolley Coaches											32

Total Passenger Cars, Motor and Trolley Coaches Owned Dec. 31, 1936



